

THE REQUIREMENTS FOR ACQUIRING THE PRODUCT(S) DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE ISSUE OF THE FOLLOWING SPECIFICATION LISTED IN THAT ISSUE OF THE DODDSS SPECIFIED IN THE SOLICITATION: MIL-B-399D

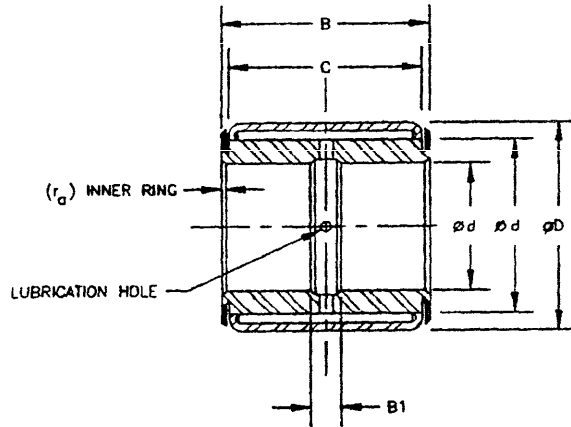


TABLE I Dimensions in inches

Dash	ϕd Bore	ϕD Outer Ring Outside Dia. 2/	B Over-all Width	c Outer Ring Width	ϕd_1 Washer Outside Dia.	B ₁ Lubri-cation Groove Width	r _a / Fillet Max.	Radial Internal Clearance Max.	Limit Load Rating Lbs 3/	Mass (approx) lb
-3	.1900	.6250	.625	.500	.562	None	.022	.0015	679	.040
-4	.2500	.6250	.562	.500	.562	None	.022	.0015	878	.025
-5	.3125	.6875	.625	.500	.625	None	.022	.0015	988	.050
-6	.3750	.7500	.812	.750	.688	.188	.022	.0015	1920	.060
-7	.4375	.8125	.875	.750	.750	.188	.032	.0015	2110	.090
-8	.5000	1.0000	.875	.750	.938	.188	.032	.0015	2350	.120
-10	.6250	1.1250	.875	.750	1.062	.250	.032	.0015	2690	.150
-12	.7500	1.2500	1.125	1.000	1.188	.250	.032	.0015	4480	.210
-14	.8750	1.3750	1.125	1.000	1.312	.375	.032	.0015	5000	.240
-16	1.0000	1.5000	1.125	1.000	1.438	.375	.032	.0015	5510	.270
-20	1.2500	1.8750	1.375	1.250	1.812	.375	.032	.0017	8180	.300

TABLE II Dimensions in millimeters

Dash NO.	ϕd Bore	ϕD Outer Ring Outside Dia.	B Over-all Width	c Outer Ring Width	ϕd_1 Washer Outside Dia.	B ₁ Lubri-cation Groove Width	r _a / Fillet Max.	Radial Internal Clearance Max.	Limit Load Rating N	Mass (approx) kg
-3	4.826	15.875	15.88	12.70	14.27	None	.6	.038	3020	.018
-4	6.350	15.875	14.27	12.70	14.27	None	.6	.038	3910	.011
-5	7.938	17.462	15.88	12.70	15.88	None	.6	.038	4390	.023
-6	9.525	19.050	20.62	19.05	17.48	4.78	.6	.038	8540	.027
-7	11.112	20.638	22.22	19.05	19.05	4.78	.8	.038	9390	.041
-8	12.700	25.400	22.22	19.05	23.82	4.78	.8	.038	10500	.055
-10	15.875	28.575	22.22	19.05	26.97	6.35	.8	.038	12000	.068
-12	19.050	31.750	28.58	25.40	30.18	6.35	.8	.038	19900	.095
-14	22.223	34.925	28.58	25.40	33.32	9.52	.8	.038	22200	.109
-16	25.400	38.100	28.58	25.40	36.52	9.52	.8	.038	24500	.123
-20	31.750	47.625	34.92	31.75	46.02	9.52	.8	.043	36400	.136

- 1/ THE CHAMFER ON BEARINGS MUST CLEAR THE MAXIMUM FILLET RADIUS GIVEN IN THE TABLE. THIS SPECIFICATION DOES NOT CONTROL BEARING CHAMFER CONTOURS.
- 2/ DO NOT MEASURE O.D. WHEN BEARING IS IN FREE STATE. DIMENSIONS ABOVE ARE FOR BASIC OUTSIDE DIAMETER

INACTIVE FOR NEW DESIGN

(H) DENOTES CHANGES

INCH-POUND

PREPARING ACTIVITY: NAVY-AS
CUSTODIANS: ARMY- AT NAVY- AS
AIR FORCE- 99 DLA-
REVIEW: AF-84 DLA-IS
USER
PROJECT NUMBER: 3110-0855

MILITARY SPECIFICATION SHEET
TITLE
BEARING, ROLLER, NEEDLE-SINGLE ROW,
THIN SHELL, TYPE II, ANTI-FRICTION

SPECIFICATION SHEET NUMBER 05 DEC 94
MS24462 REV H

SUPERSEDING MS24462 C 17 JUN 77

AMSC- N/A FSC 3110

DISTRIBUTION STATEMENT

A. Approved for public release; distribution is unlimited

Page 1 of 3

THIS SPECIFICATION IS APPROVED FOR USE BY ALL DEPARTMENTS AND AGENCIES OF THE DEPARTMENT OF DEFENSE.

